

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
 Data File : BG021783.D
 Acq On : 20 Apr 2016 13:45
 Operator : UM/SJ
 Sample : H2589-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WPG-B18(0-7)-C

Manual Integrations
 APPROVED

Sohil
 4/21/2016 10:37:55 AM

Quant Time: Apr 21 10:30:23 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	34179	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	154072	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	91305	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	185791	20.00	ng	0.00
75) Chrysene-d12	21.83	240	204265	20.00	ng	0.00
86) Perylene-d12	25.18	264	190690	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	236927	115.43	ng	0.00
7) Phenol-d6	7.37	99	348931	113.81	ng	0.01
23) Nitrobenzene-d5	9.38	82	218717	72.97	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	116675	118.57	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	479367	76.92	ng	0.00
78) Terphenyl-d14	20.14	244	569120	69.52	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.26	163	54370	6.89	ng	98
70) Phenanthrene	17.60	178	161812	15.80	ng	100
71) Anthracene	17.69	178	40539	3.90	ng	98
74) Fluoranthene	19.60	202	219624	17.96	ng	99
77) Pyrene	19.95	202	177734	15.09	ng	97
80) Benzo(a)anthracene	21.81	228	97547	8.30	ng	98
82) Chrysene	21.88	228	97679	8.65	ng	95
85) Indeno(1,2,3-cd)pyrene	29.00	276	41968	3.13	ng	# 81
87) Benzo(b)fluoranthene	24.11	252	120592	10.90	ng	# 92
88) Benzo(k)fluoranthene	24.17	252	47393m	4.38	ng	
89) Benzo(a)pyrene	25.01	252	84624	7.89	ng	95
91) Benzo(a,h,i)perylene	30.19	276	36086	3.42	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

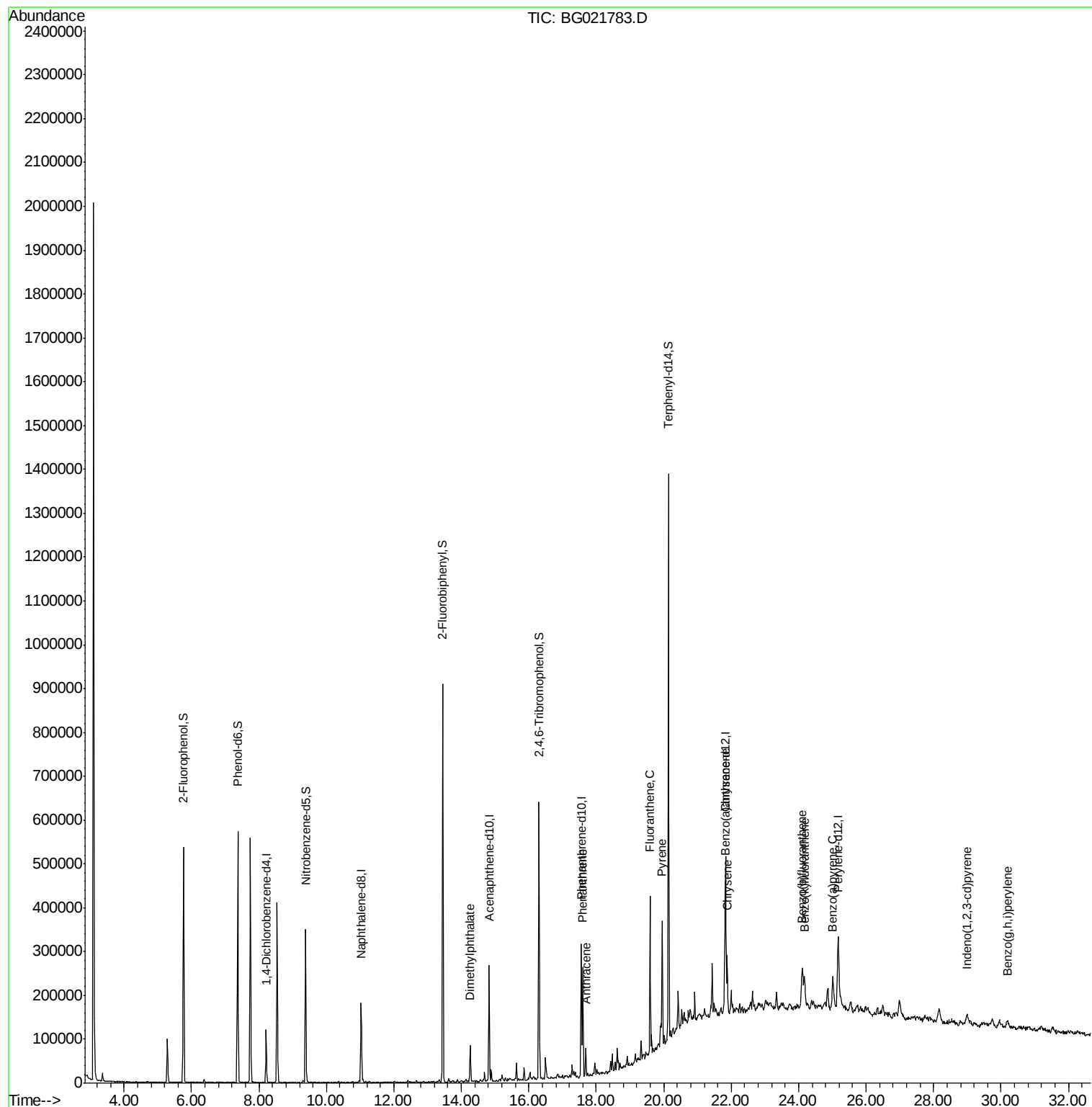
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
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Operator : UM/SJ
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WPG-B18(0-7)-C

Manual Integrations
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#1

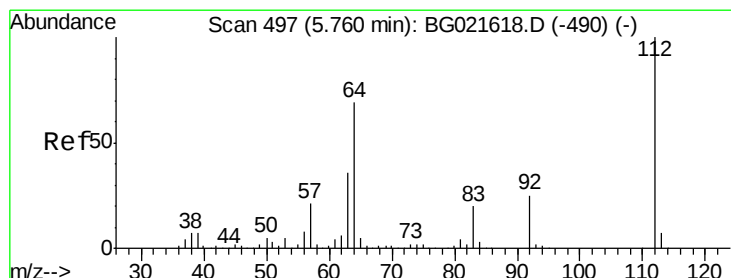
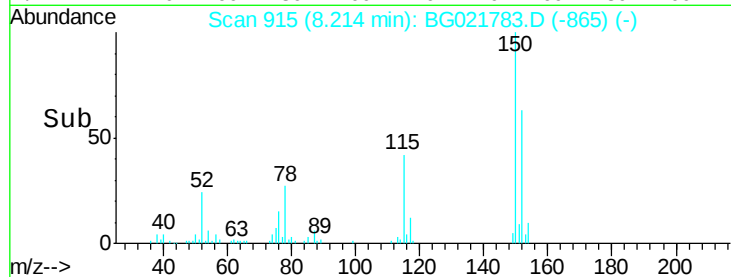
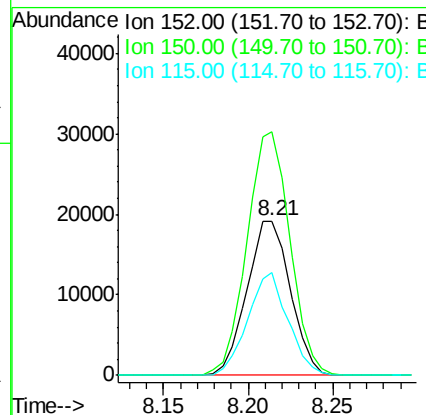
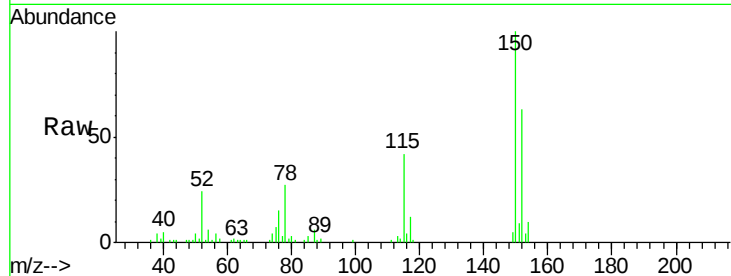
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 915
Delta R.T. -0.01 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Instrument :
BNA_G
ClientSampleId :
WPG-B18(0-7)-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	130.1	195.1
115	67.0	62.2	93.2

Manual Integrations
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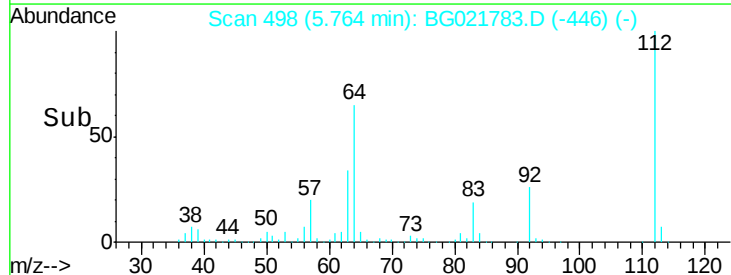
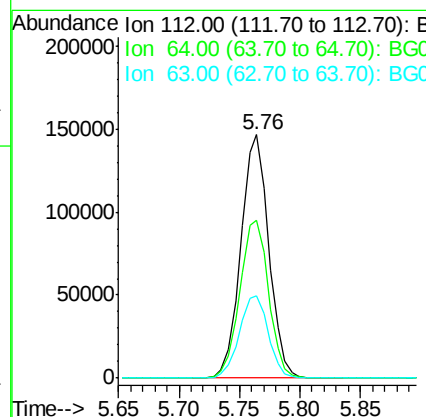
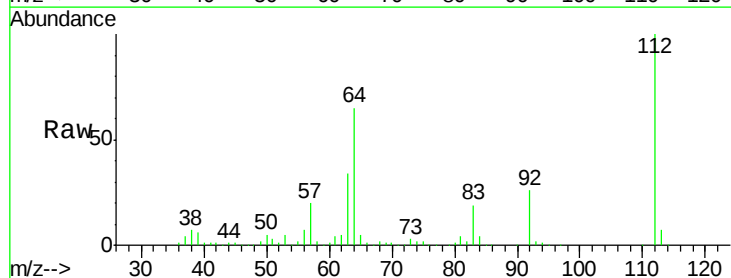
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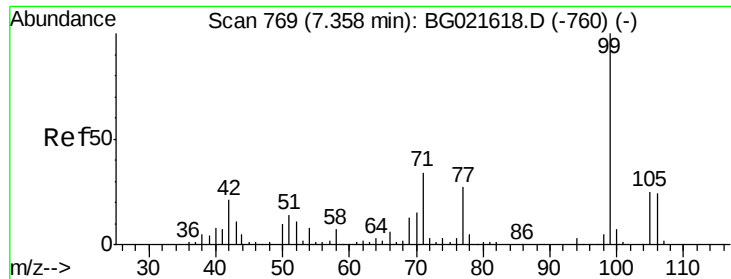


#5

2-Fluorophenol
Concen: 115.43 ng
RT: 5.76 min Scan# 498
Delta R.T. 0.01 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	51.1	76.7
63	33.6	24.6	37.0





#7

Phenol-d6

Concen: 113.81 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Instrument :

BNA_G

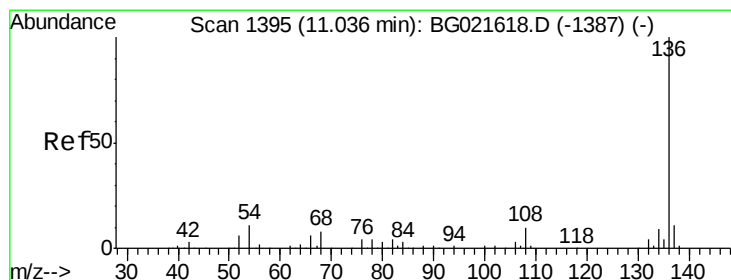
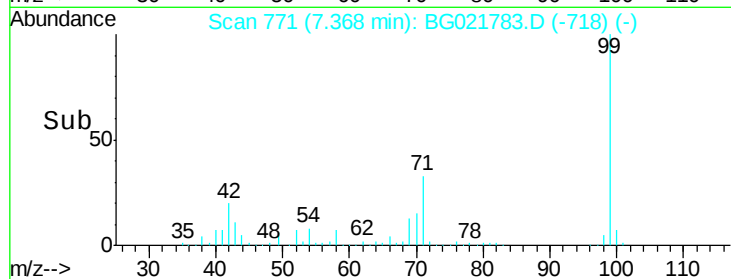
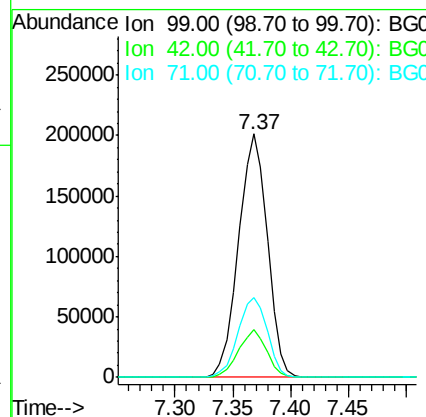
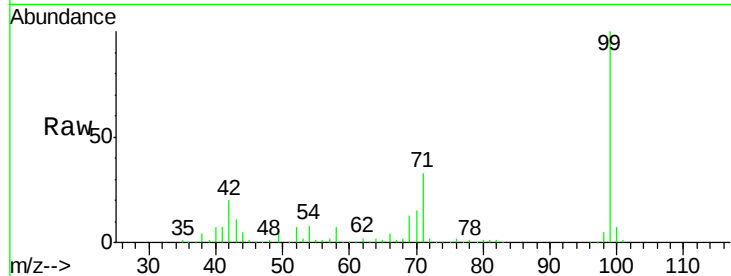
ClientSampleId :

WPG-B18(0-7)-C

Tot Ion:	99	Resp:	348931
Ion Ratio	Lower	Upper	
99	100		
42	19.7	16.4	24.6
71	32.6	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.00 ng

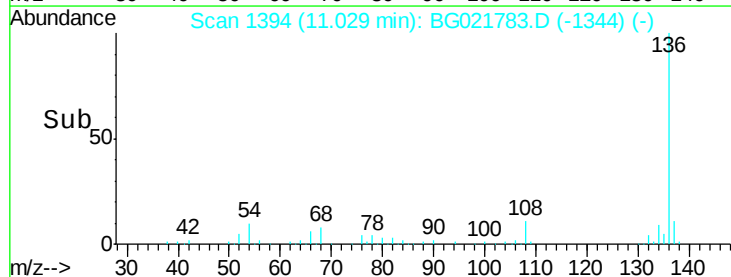
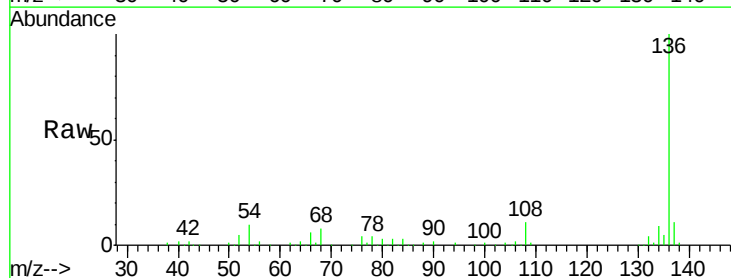
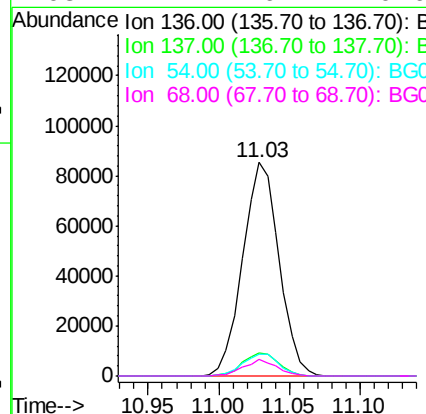
RT: 11.03 min Scan# 1394

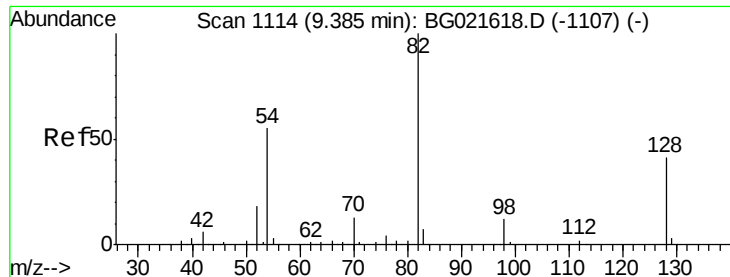
Delta R.T. -0.01 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Tgt Ion:	136	Resp:	154072
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	10.3	9.6	14.4
68	7.7	6.4	9.6





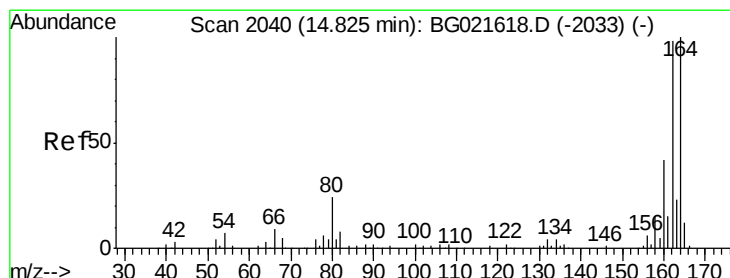
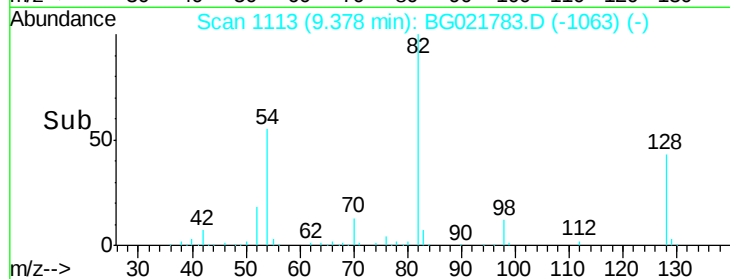
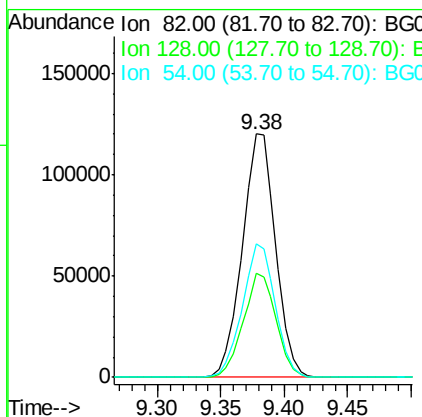
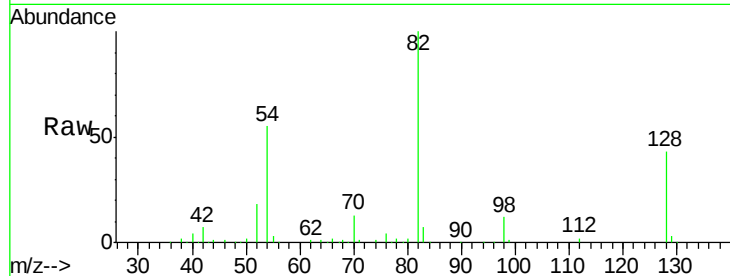
#23
Nitrobenzene-d5
Concen: 72.97 ng
RT: 9.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Instrument :
BNA_G
ClientSampleId :
WPG-B18(0-7)-C

Tot Ion	82	Resp	218717
Ion Ratio	100	Lower	Upper
82	100		
128	43.0	33.4	50.0
54	54.7	46.1	69.1

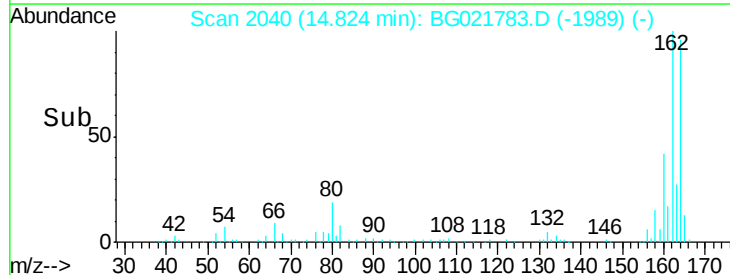
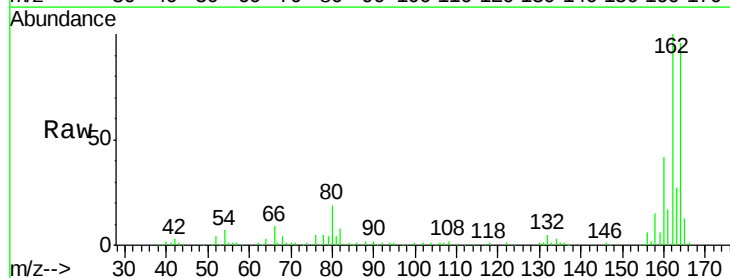
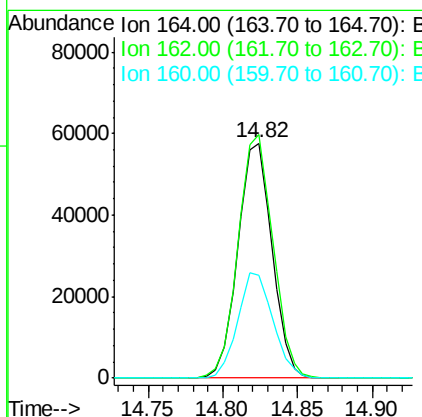
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Tgt Ion	164	Resp	91305
Ion Ratio	100	Lower	Upper
164	100		
162	103.7	78.0	117.0
160	43.5	32.9	49.3





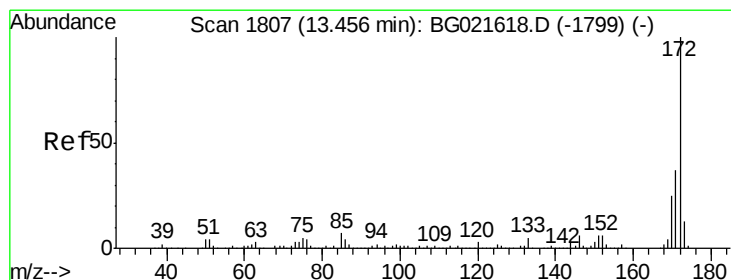
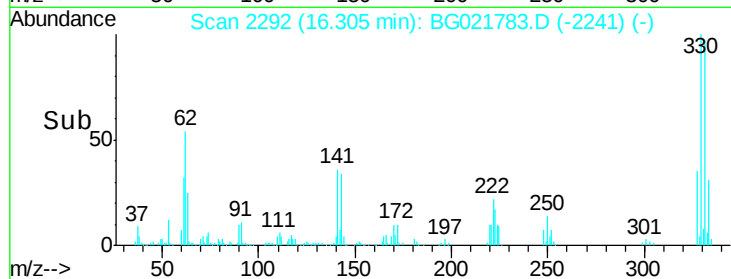
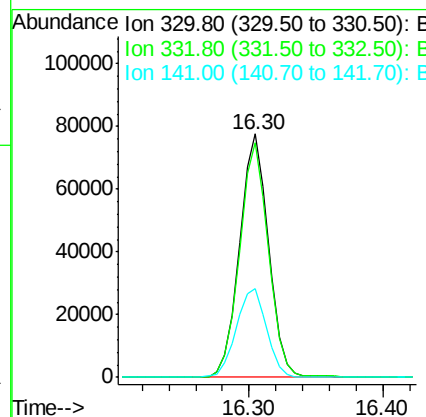
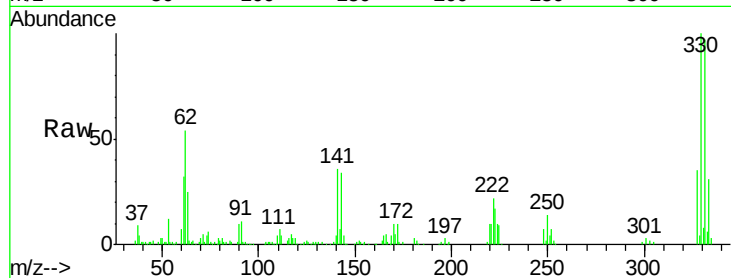
#41
 2,4,6-Tribromophenol
 Concen: 118.57 ng
 RT: 16.30 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BG021783.D
 Acq: 20 Apr 2016 13:45

Instrument :
 BNA_G
 ClientSampleId :
 WPG-B18(0-7)-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	116675		
332	96.1	78.0	117.0	
141	38.2	33.8	50.8	

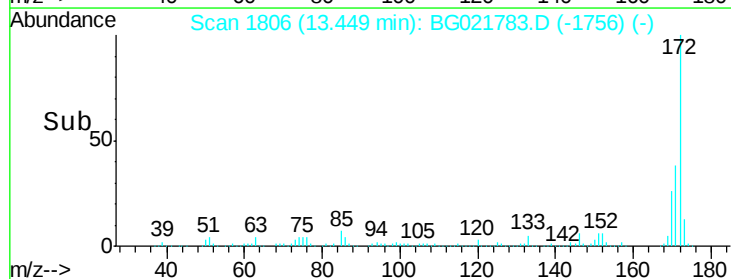
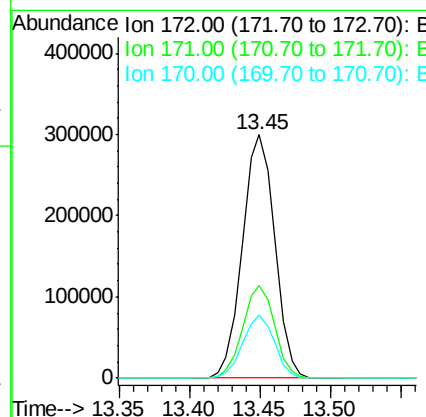
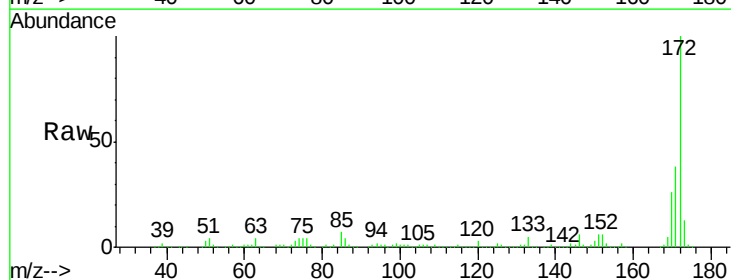
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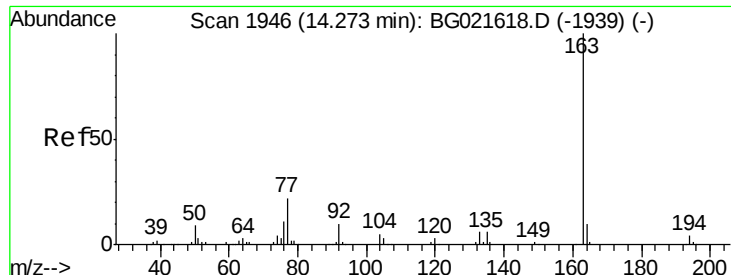
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#44
 2-Fluorobiphenyl
 Concen: 76.92 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021783.D
 Acq: 20 Apr 2016 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	479367		
171	38.0	27.8	41.6	
170	25.8	19.6	29.4	





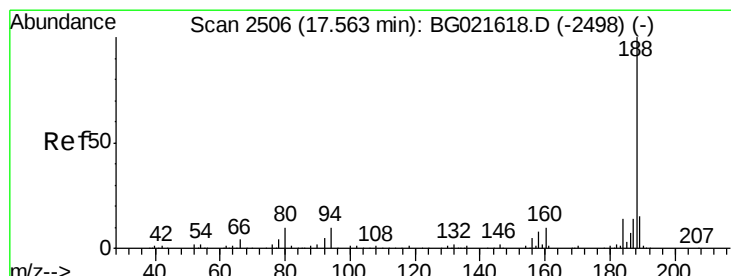
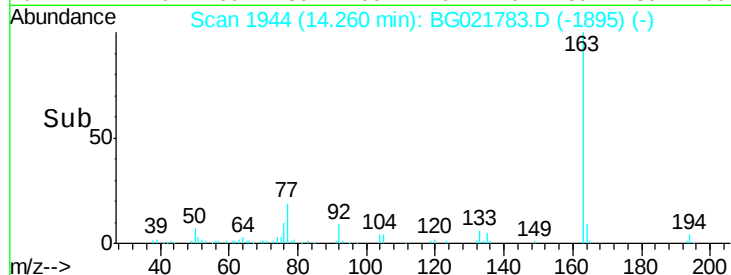
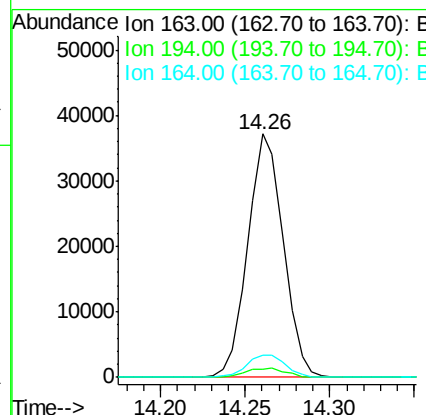
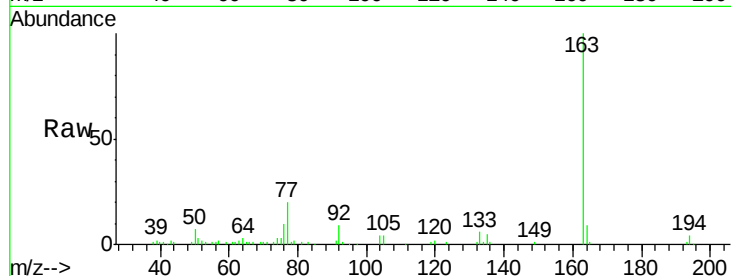
#49
Dimethylphthalate
Concen: 6.89 ng
RT: 14.26 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Instrument :
BNA_G
ClientSampleId :
WPG-B18(0-7)-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		54370		
194	3.6			3.0	4.6
164	9.2			8.1	12.1

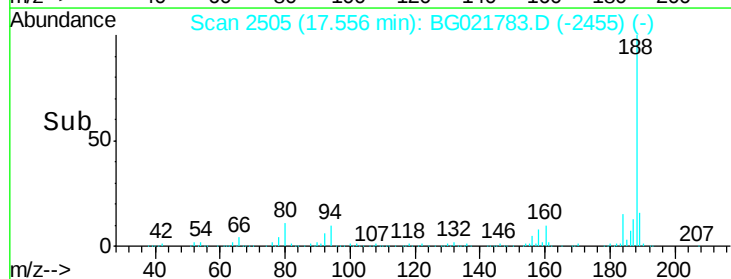
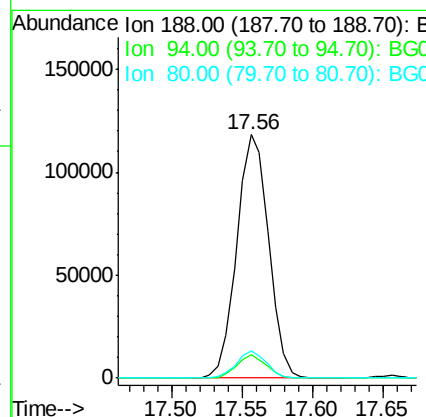
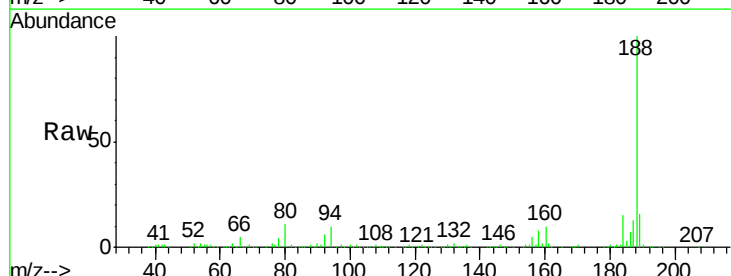
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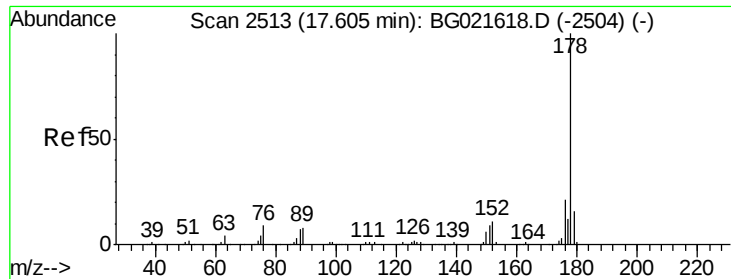
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		185791		
94	9.8			7.5	11.3
80	11.0			8.6	13.0





#70

Phenanthrene

Concen: 15.80 ng

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Instrument :

BNA_G

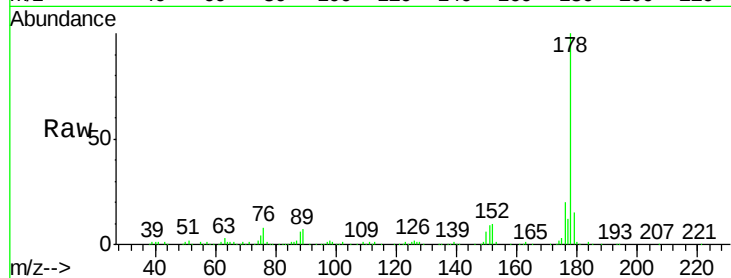
ClientSampleId :

WPG-B18(0-7)-C

Tot Ion:	178	Resp:	161812
Ion Ratio	Lower	Upper	
178	100		
176	20.4	16.2	24.4
179	15.3	12.0	18.0

Manual Integrations
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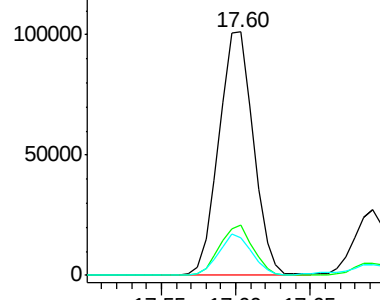
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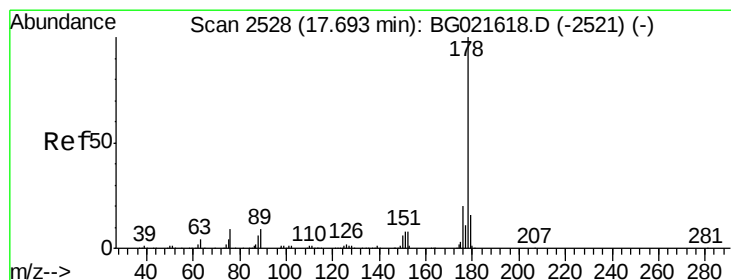
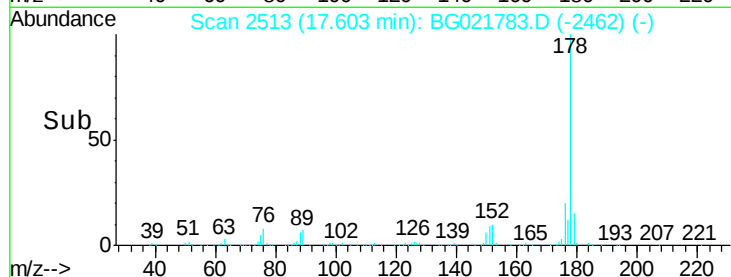
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 3.90 ng

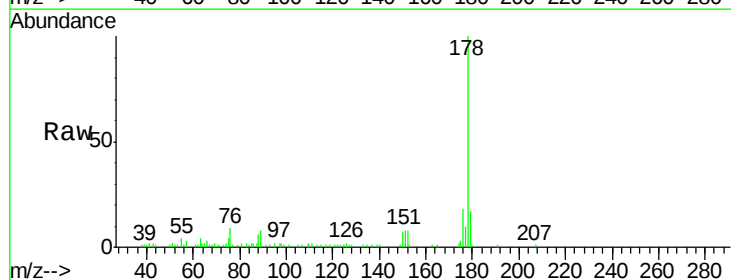
RT: 17.69 min Scan# 2528

Delta R.T. -0.00 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

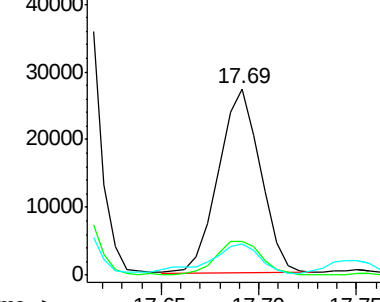
Tgt Ion:	178	Resp:	40539
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.0	22.4
179	16.7	12.2	18.4



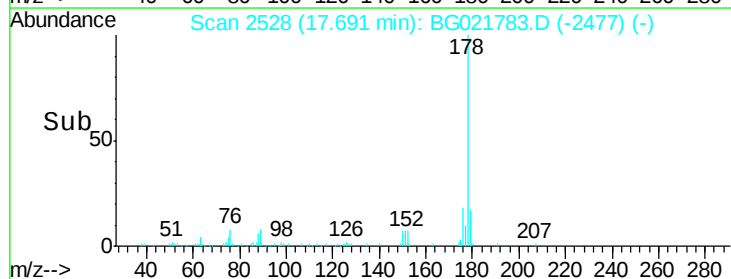
Abundance Ion 178.00 (177.70 to 178.70): E

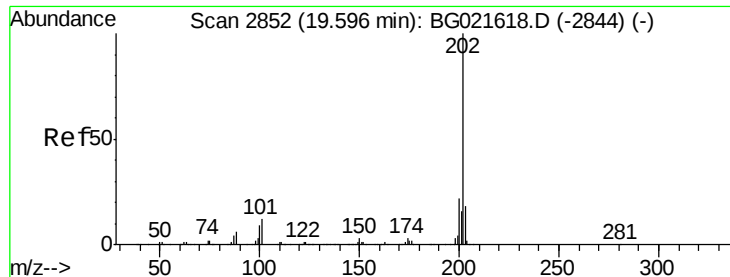
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 17.96 ng

RT: 19.60 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Instrument :

BNA_G

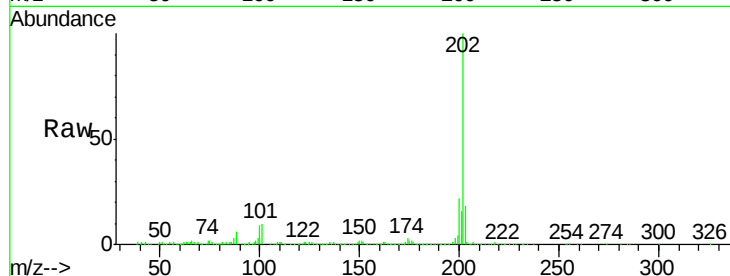
ClientSampleId :

WPG-B18(0-7)-C

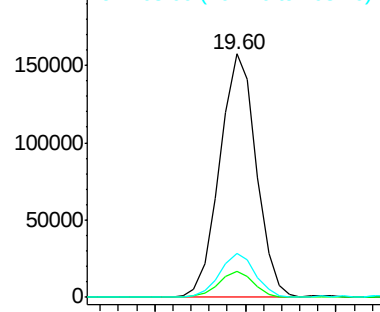
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.4	0.0	31.0
203	18.2	0.0	37.9

Manual Integrations
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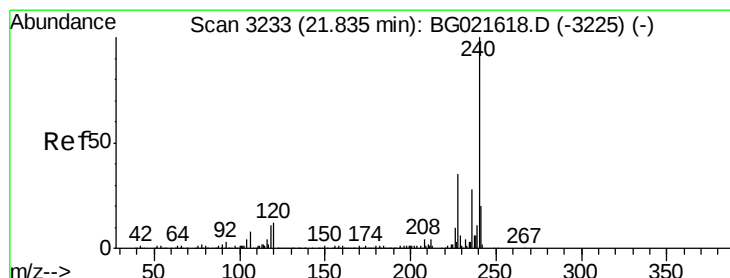
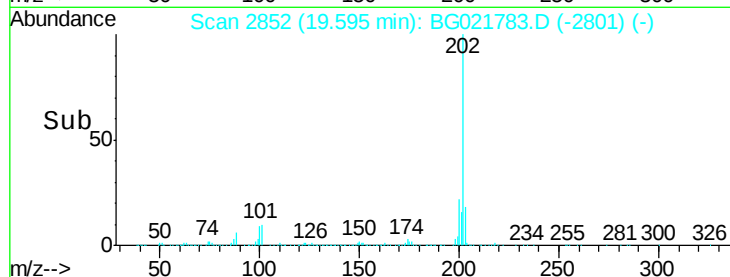
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

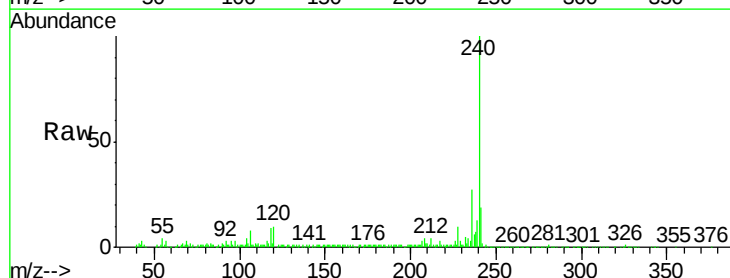
RT: 21.83 min Scan# 3233

Delta R.T. -0.00 min

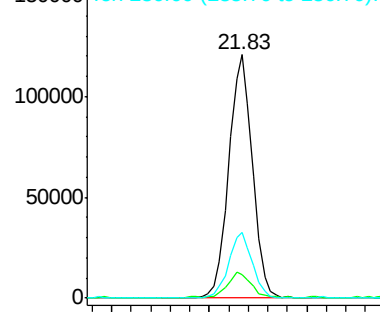
Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

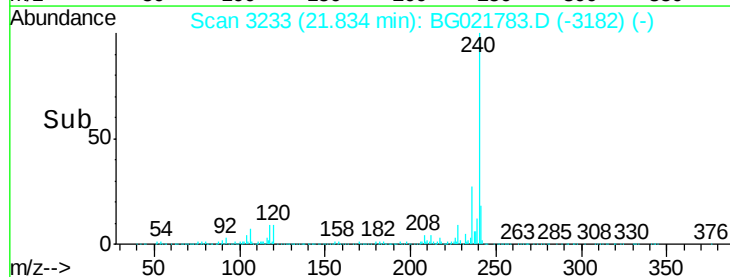
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.5	8.4	12.6
236	26.9	19.6	29.4

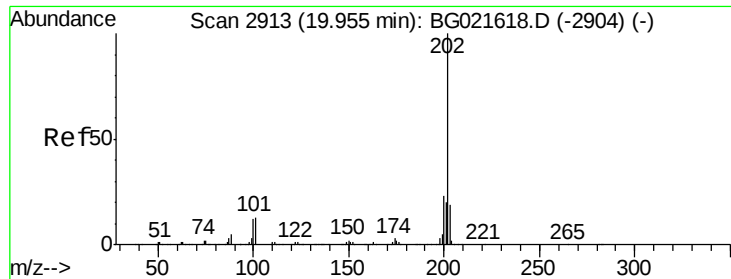


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





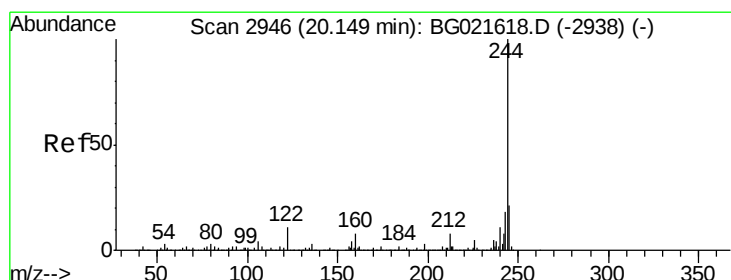
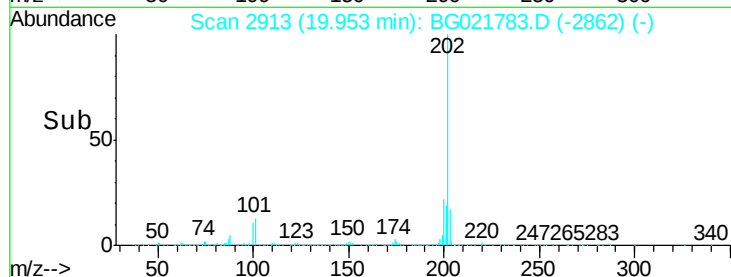
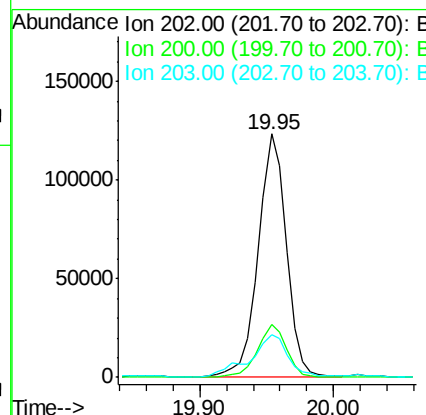
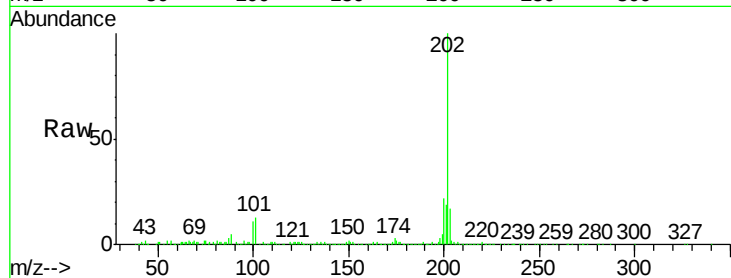
#77
Pvrene
Concen: 15.09 ng
RT: 19.95 min Scan# 2913
Delta R.T. -0.00 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Instrument :
BNA_G
ClientSampleId :
WPG-B18(0-7)-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.2	27.2
203	17.3	15.0	22.4

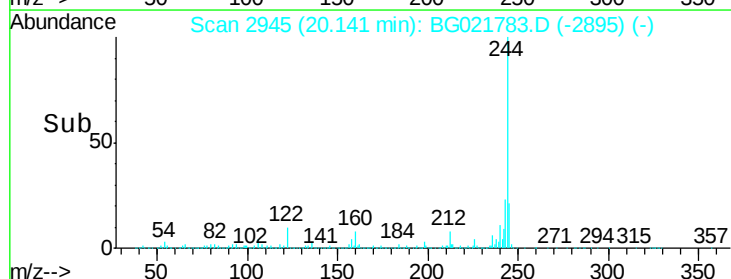
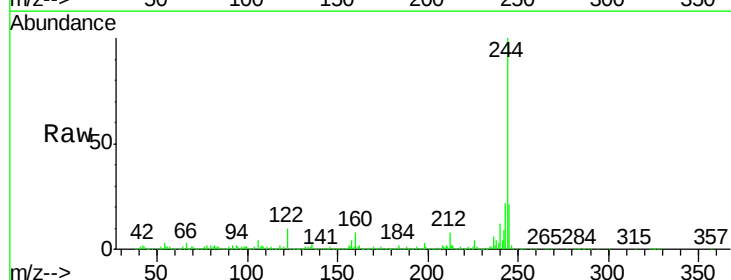
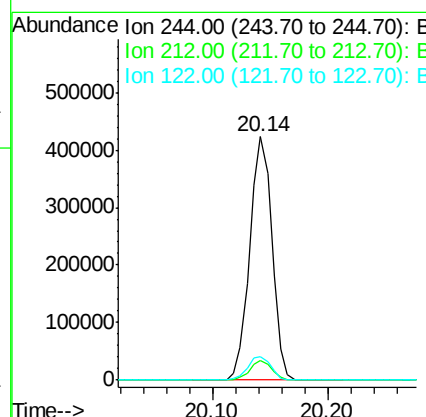
Manual Integrations
APPROVED

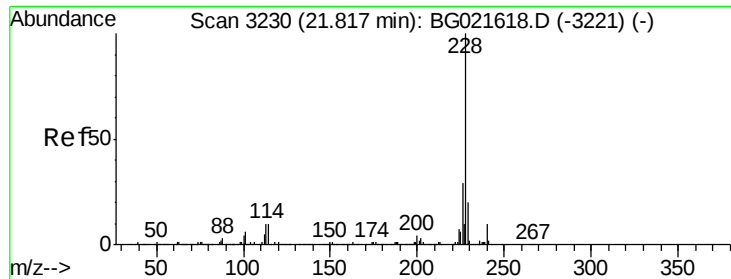
Sohil
4/21/2016 10:37:55 AM



#78
Terphenyl-d14
Concen: 69.52 ng
RT: 20.14 min Scan# 2945
Delta R.T. -0.01 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	9.7	8.6	12.8





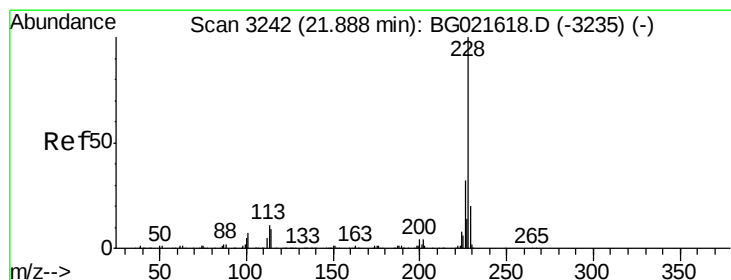
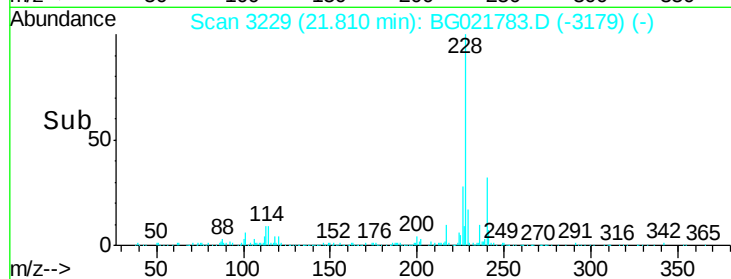
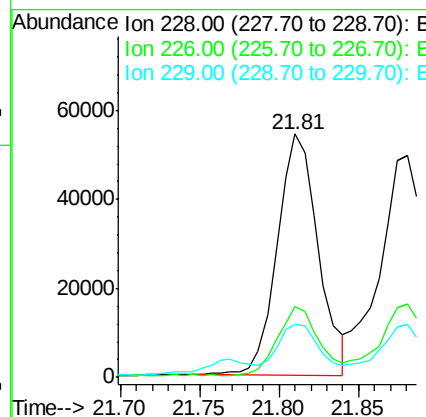
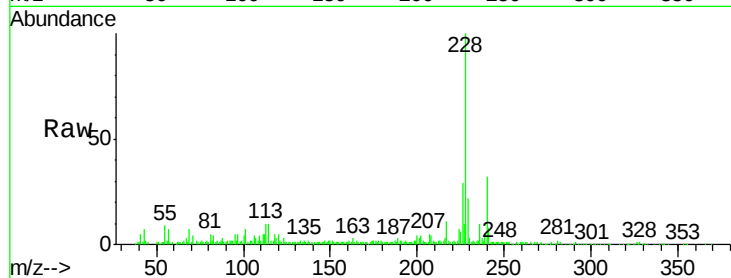
#80
Benzo(a)anthracene
Concen: 8.30 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Instrument :
BNA_G
ClientSampleId :
WPG-B18(0-7)-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	34.0
229	21.8	16.1	24.1

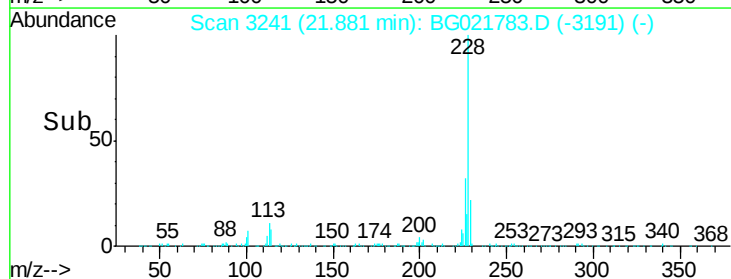
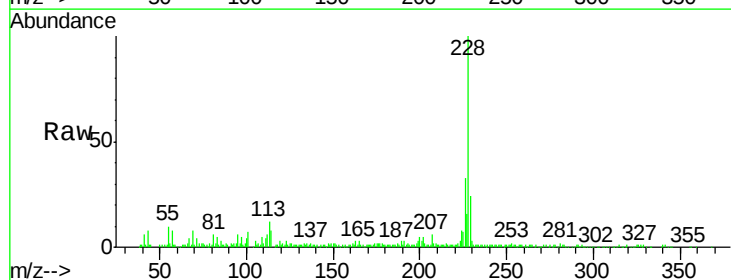
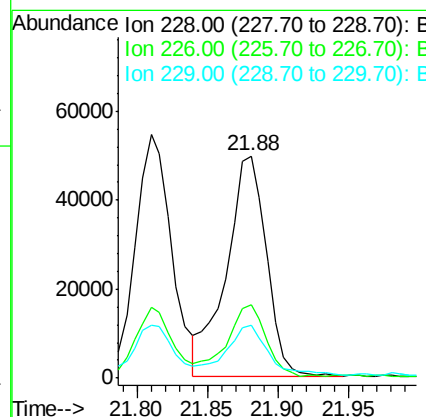
Manual Integrations
APPROVED

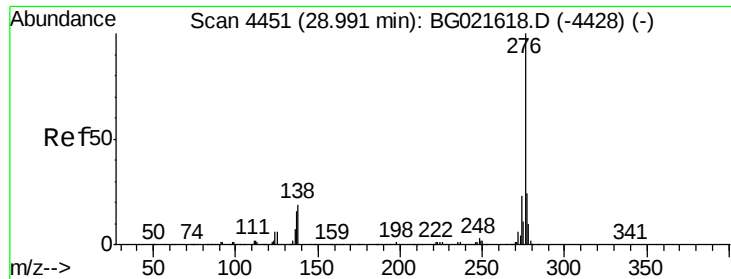
Sohil
4/21/2016 10:37:55 AM



#82
Chrysene
Concen: 8.65 ng
RT: 21.88 min Scan# 3241
Delta R.T. -0.01 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.4	38.0
229	23.8	15.9	23.9





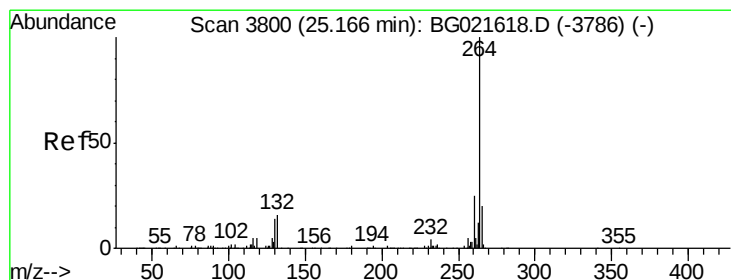
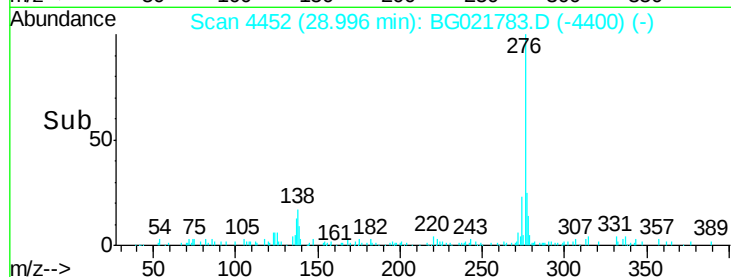
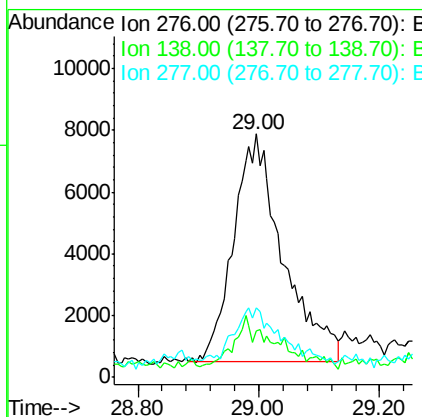
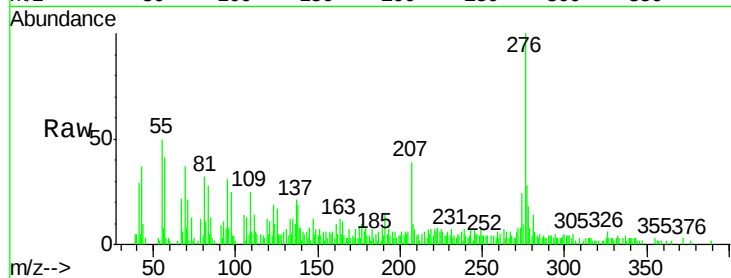
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.13 ng
RT: 29.00 min Scan# 4452
Delta R.T. 0.00 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Instrument :
BNA_G
ClientSampled :
WPG-B18(0-7)-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.8	14.0	21.0#
277	17.1	20.6	30.8#

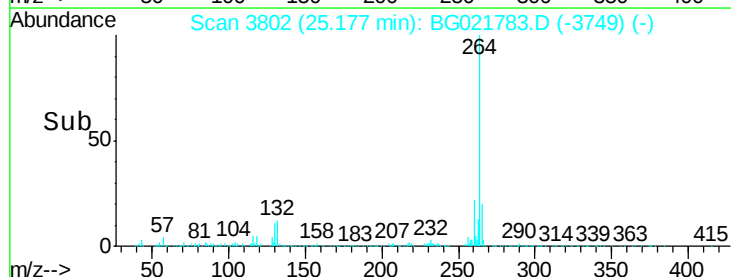
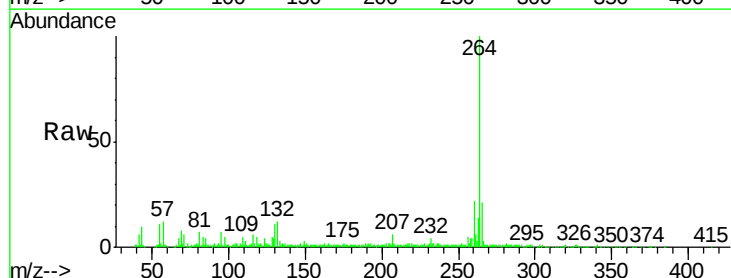
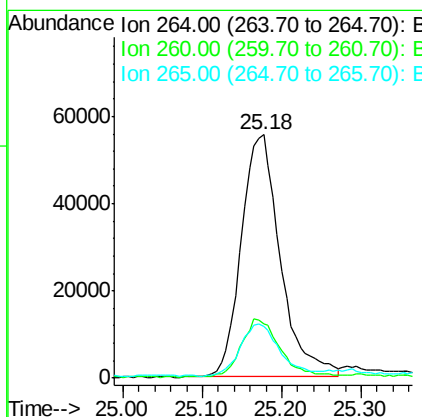
Manual Integrations
APPROVED

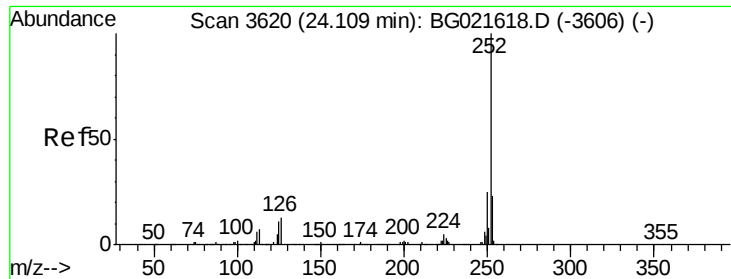
Sohil
4/21/2016 10:37:55 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.18 min Scan# 3802
Delta R.T. 0.01 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	20.2	30.4
265	21.4	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 10.90 ng

RT: 24.11 min Scan# 3620

Delta R.T. -0.00 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Instrument :

BNA_G

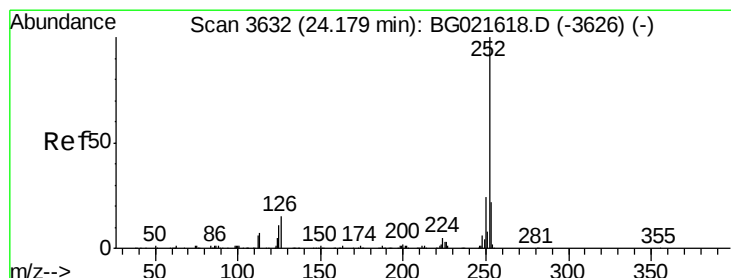
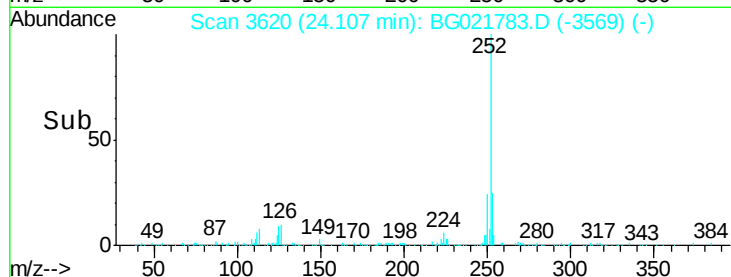
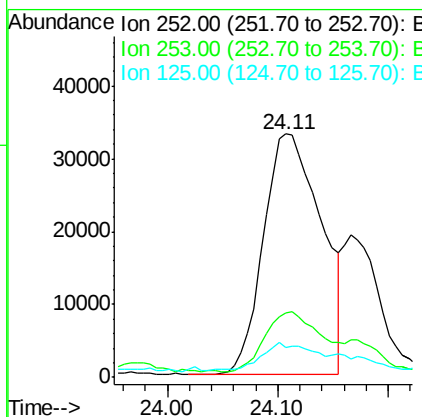
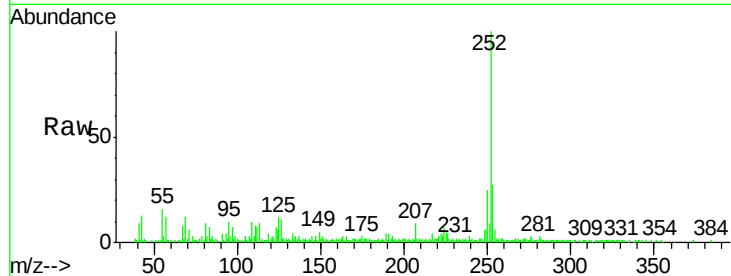
ClientSampleId :

WPG-B18(0-7)-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.5	26.3#
125	12.4	8.6	13.0

Manual Integrations
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4/21/2016 10:37:55 AM



#88

Benzo(k)fluoranthene

Concen: 4.38 ng m

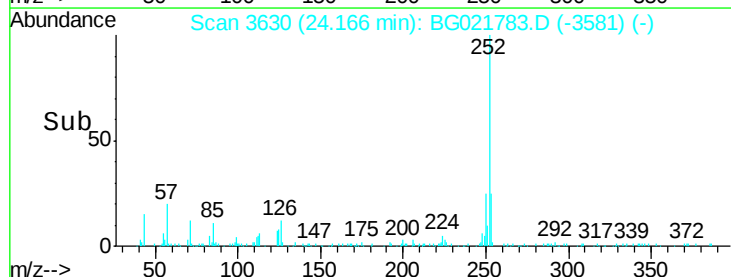
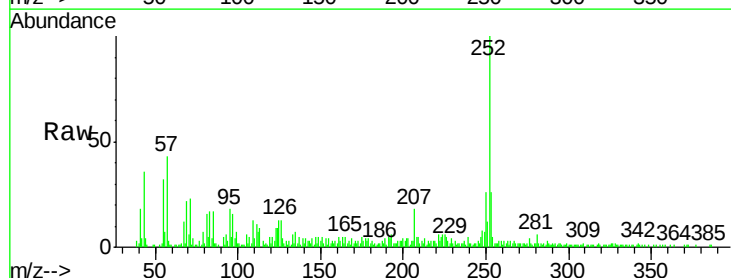
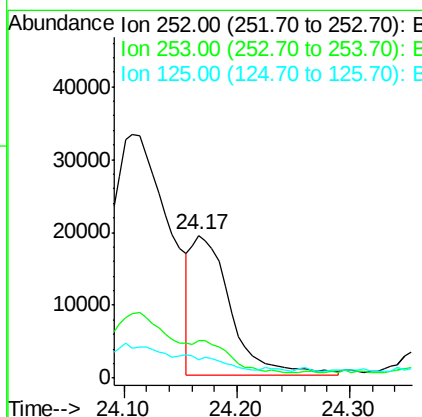
RT: 24.17 min Scan# 3630

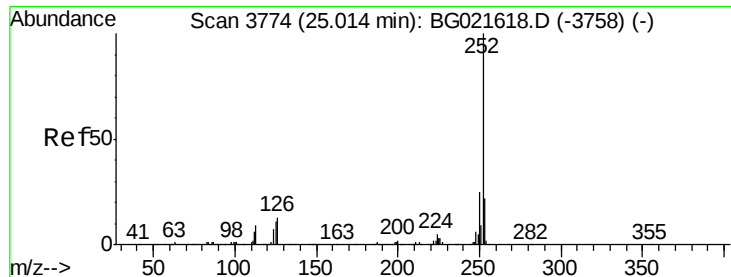
Delta R.T. -0.01 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.8
125	13.2	8.3	12.5#





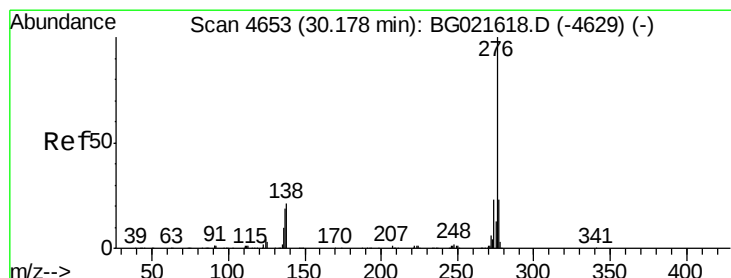
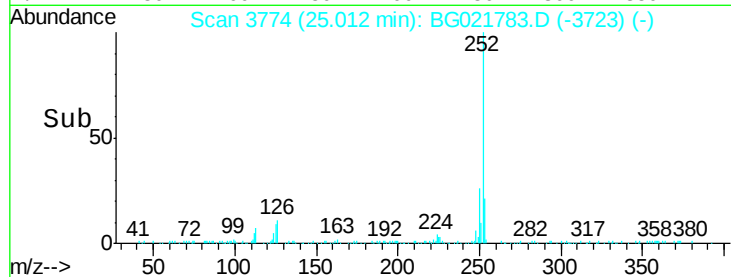
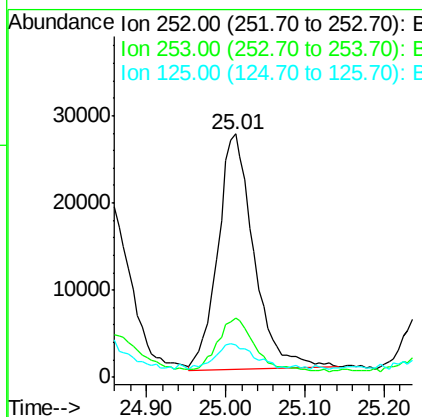
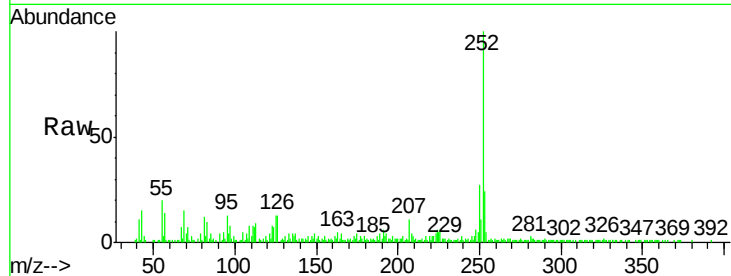
#89
Benzo(a)pyrene
Concen: 7.89 ng
RT: 25.01 min Scan# 3774
Delta R.T. -0.00 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Instrument :
BNA_G
ClientSampleId :
WPG-B18(0-7)-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	13.1	9.6	14.4

Manual Integrations
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4/21/2016 10:37:55 AM



#91
Benzo(g,h,i)perylene
Concen: 3.42 ng
RT: 30.19 min Scan# 4656
Delta R.T. 0.02 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.8	19.4	29.2
138	19.1	17.4	26.0

